

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

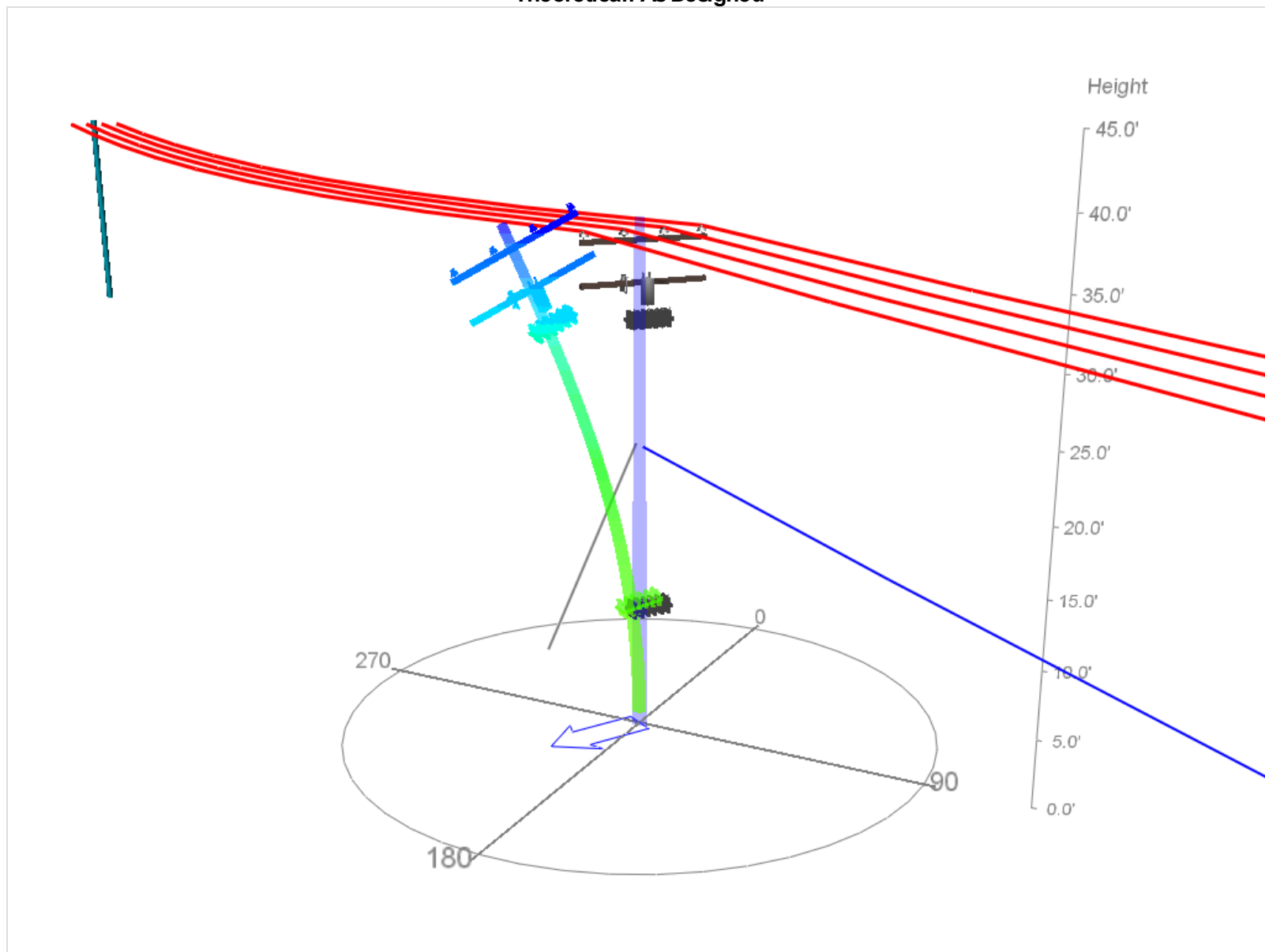
Cross Street 2:

Summary Notes:

## Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	45'/H1	4.44 from stress at 3' 3"	2.48 (Guy#1)	No Data	No Data	No Data	No Data	100%	Y	Y

## Theoretical: As Designed



## Analysis Results

## Loading

Component	In Service, Light, 8 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.44 from stress at 3' 3"	1801 / 8000 lb/in <sup>2</sup>	210 °	8000 lb/in <sup>2</sup>
Guy#1	2.48	2686 / 6650 lbf	110 °	6650 lbf

## Wire End Points and Wires

## WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Next Pole	None	235'	125 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Light, 8 lb, Grade A	
											Tension	Sag
	Wire#1	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1758 lbf*	Dynamic	2855.49 lbf**	2' 2"***
	Wire#3	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1758 lbf*	Dynamic	2837 lbf**	2' 2"***
	Wire#5	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1758 lbf*	Dynamic	2830.65 lbf**	2' 2"***
	Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1758 lbf*	Dynamic	2872.5 lbf**	2' 1"***
	Wire#9	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	22' 0"	0' 0"	1	709 lbf*	Dynamic	971.61 lbf**	3' 0"***

## WEP#2

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	255'	305 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Light, 8 lb, Grade A	
											Tension	Sag
	Wire#2	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1763 lbf*	Dynamic	2849.55 lbf**	2' 6"***
	Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1763 lbf*	Dynamic	2885.16 lbf**	2' 6"***
	Wire#7	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1763 lbf*	Dynamic	2863.21 lbf**	2' 6"***
	Wire#8	336.4 ACSR Tree Wire	SCE	Primary	Light Full	37' 9"	0' 0"	1	1763 lbf*	Dynamic	2880.47 lbf**	2' 6"***

\*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

\*\* Tension value is inclusive of environmental and load factors associated with the Load Case.

\*\*\* Sag value is inclusive of environmental and load factors associated with the Load Case.

## Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#1	Fuse Arm with 3 Cutouts	SCE	Cutout Arrestor	34' 0"	34' 0"	215 °
Equip#3	Power Control Transformer Oil 0.5 kVA	SCE	Transformer	34' 0"	34' 0"	125 °
Equip#2	1200 kVAR Capacitor Bank - New Install	SCE	Capacitor	31' 6"	31' 6"	125 °
Equip#4	Automatic Capacitor Control Box	SCE	Capacitor	10' 0"	10' 0"	125 °

## Anchors

## Anchor#1

Size	Owner	Lead	Direction	Height	Supporting
1" Triple Eye - Anchor Rod and Plate	Unknown	17' 0"	305 °	0' 0"	Other

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Light, 8 lb, Grade A	
									Pretension	Tension
Guy#1	1/4" EHS	Unknown	22' 0"	38 °	N/A	N/A	N/A	N/A	924.35 lb*	-0.64 lb**

\* Pretension values are calculated at 60°F (15.5°C) and without load factors.

\*\* Tension value is calculated without load factors or wind.

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	37' 0"	Other	215 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4
CrossArm#2	10 Foot Cross Arm	34' 0"	Other	215 °	5' 0"	

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	305 °	0' 4"	Wire#2, Wire#6
Insulator#2	12 kV Pin (Cross Arm)	125 °	9' 8"	Wire#3, Wire#8
Insulator#3	12 kV Pin (Cross Arm)	125 °	3' 5"	Wire#1, Wire#7
Insulator#4	12 kV Pin (Cross Arm)	305 °	6' 7"	Wire#4, Wire#5

## Location 2267159E Location Forms

## SAP

- Field Inspection Date: 11/20/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 88 - Wildomar
- Region: ED-SE-SANJACIN
- Above 3000 Ft Elevation: No
- As Designed Work Type: Existing
- Access Notes:

## Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit :
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

## QC Comments

- QC Comments: